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(54) CROSSLINKED FOAM

(57) Abstract:

PURPOSE: A crosslinked foam having a high expansion ratio and being excellent in hardness, tear strength, impact resistance and elasticity, prepared by adding a crosslinking agent and a blowing agent to a mixture of 1,2-polybutadiene, natural or synthetic rubber and a specified polymer.

CONSTITUTION: A crosslinked foam prepared by adding a crosslinking agent and a blowing agent to a mixture of (A) 30W95wt% 1,2-polybutadiene of a 1,2-bond content $\geq 70\%$, a crystallinity $\geq 5\%$ and an intrinsic viscosity $[\eta]$ (as measured in toluene at 30°C) $\geq 0.5\text{dl/g}$, (B) 5W50wt% at least one rubber selected from among natural rubber, diene synthetic rubbers and nondiene rubbers and (C) 1W 19wt% at least one member selected from among polyethylene polymers,

ethylene/vinyl acetate copolymer
resins, polystyrene resins, ionomer
resins, polybutene-1, polyester
elastomers, polyurethane elastomers
and polypropylene polymers.

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